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(71) Applicant: NIPPON TELEGR & TELEPH  
CORP <NTT>  
(72) Inventor: MATSUMURA TAKAHIRO  
TANAKA KIYOTO  
HORIOKA TSUTOMU  
YAMANAKA KIYOSHI

(54) CONTENTS ID PROVISION SYSTEM

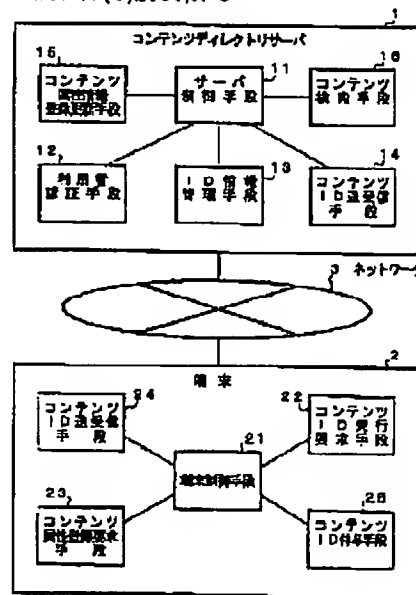
data to the contents.

(57) Abstract:

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**PROBLEM TO BE SOLVED:** To prevent contents from being falsified by means of digital signature data for preventing falsification even when identification information for managing contents is falsified.

**SOLUTION:** A contents directory server 1 authenticates a user upon request of a terminal 2, issues a contents ID that is ID information with respect to contents, and manages a relation between a user ID and the issued contents ID. Upon the receipt of the contents ID, the terminal 2 uses a contents ID provision means 25 to provide the contents ID to the contents. In this case, the contents ID are imbedded to a contents main body by using a digital watermark and digital signature data to the contents to which the contents ID is imbedded are set to header information so as to provide the contents ID and the digital signature



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(71) Applicant: HITACHI LTD

(72) Inventor:  
NIE MANABU  
SHIOTANI MAKOTO  
SANO KOICHI  
FURUKAWA TATSUO

(54) PRINTED MATTER ISSUE MANAGING SYSTEM

(57) Abstract:

**PROBLEM TO BE SOLVED:** To eliminate necessity to connect a printed matter verifying device online with a server for judging the truth/false or validity/invalidity of printed matter in order to place the verification information of the printed matter on the side of the server in a printed matter issue managing system for discriminating the truth/false of the issued printed matter while using the printed matter verifying device.

**SOLUTION:** This system uses the electronic sheet of a print recording medium, in which a data carrier mechanism capable of printing on a surface and electronic read/write with no contact is integrated, the printed matter verifying device previously storing the same verify key as the certify key of an IC chip held by a printed matter issue server and a decode key capable of decoding data enciphered while using an encipher key held by the printed matter issue server or the like. The printed matter verifying device can read the contents of the IC chip out of the electronic sheet written in the IC

chip while using the proper certify key. But it can not read the contents of the IC chip out of the electronic sheet written in the IC chip while using an erroneous illegal certify key.

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